



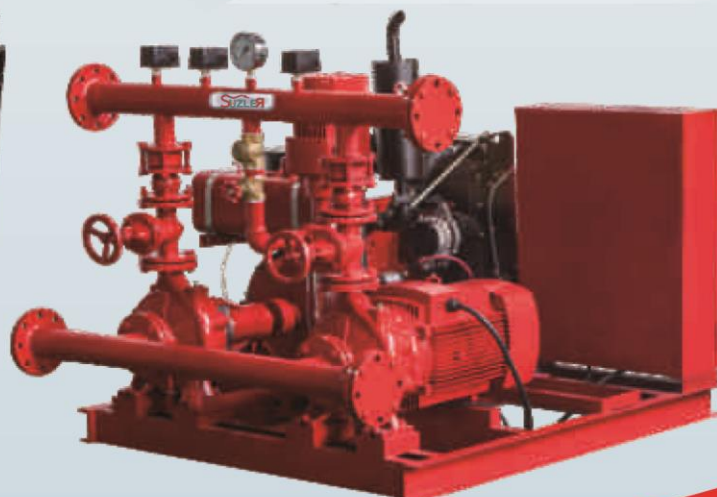
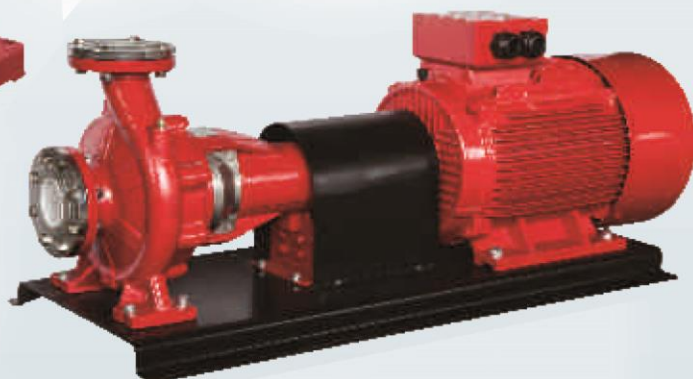
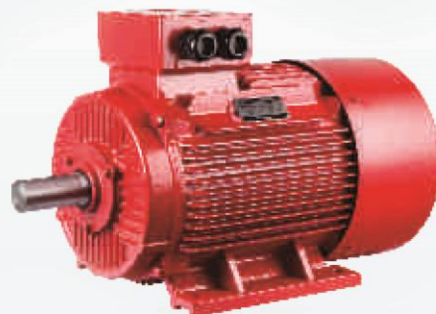
500 GPM @ 8 Bar

**Fire Fighting Equipment Manufacturer
A Leader in Fire Protection System
Diverse Products Best Quality Full Service**

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PS/ PSD/PSC/PSM Pump for Fire Fighting System



PS



PSD



PSC



PSM

TECHNICAL DESCRIPTION

- ※ New EN733 standard centrifugal pump
- ※ Both square motor & round motor available
- ※ YE3 high efficient motor, with protection IP55 class F
- ※ Pump case with anti-corrosive coating
- ※ Impeller in stainless steel AISI 304 or cast iron
- ※ Shaft in stainless steel AISI 304 or galvanized iron
- ※ Galvanized counter flange with bolts, nuts and gaskets

APPLICATIONS

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. The EN733 centrifugal pumps are recommended for use in water supply, cleaning sets, pressure boosting, firefighting sets, irrigation, industrial applications, water circulation in climatisation sets, agricultural.

USING LIMITS

Liquid temperature between **-10°C** and **+120°C**
 Ambient temperature up to **+50°C**
 Max. working pressure **16 bar**
 Continuous service **S1**

PATENTS

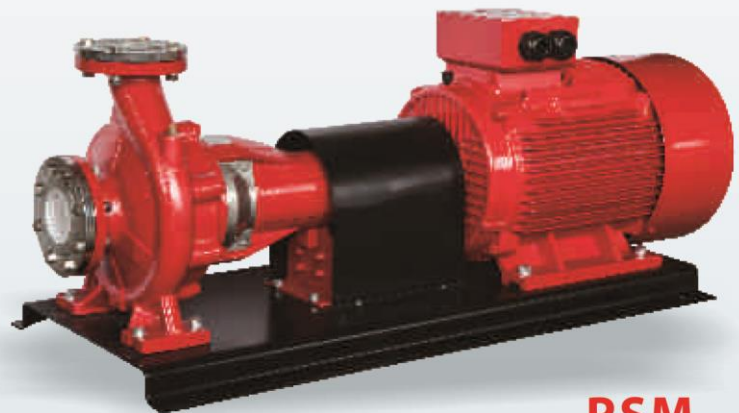
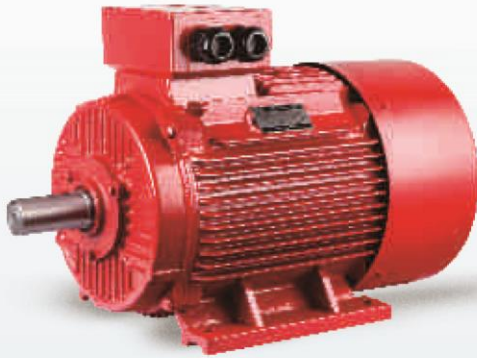
Registered model PST
 Registered Patent Design n° 201530478502.0

STANDARD IMPELLER MATERIAL

DISCHARGE SIZE	IMPELLER SIZE						
	125	160	200	250	250D	315	400
32	Ss304	Ss304	Ss304	Cast iron	Ss304		
40	Cast iron	Cast iron	Ss304	Cast iron	/		
50	Cast iron	Cast iron	Cast iron	Cast iron	/		
65	Cast iron	Cast iron	Cast iron	Cast iron	/	Cast iron	
80	Cast iron	Cast iron	Cast iron	Cast iron	/	Cast iron	Cast iron
100		Cast iron	Cast iron	Cast iron	/	Cast iron	Cast iron
125			Cast iron	Cast iron	/	Cast iron	Cast iron
150			Cast iron	Cast iron	/	Cast iron	Cast iron
200				Cast iron	/	Cast iron	Cast iron
250					/	Cast iron	Cast iron

PSM Centrifugal Pump Coupled with Electric Motor

YE3 Electric Motor for Pumps



PSM



**PSM-C End Suction Pump
with Control Pannel**

YE-3 Electric Motor for Pumps

Technical Specifications

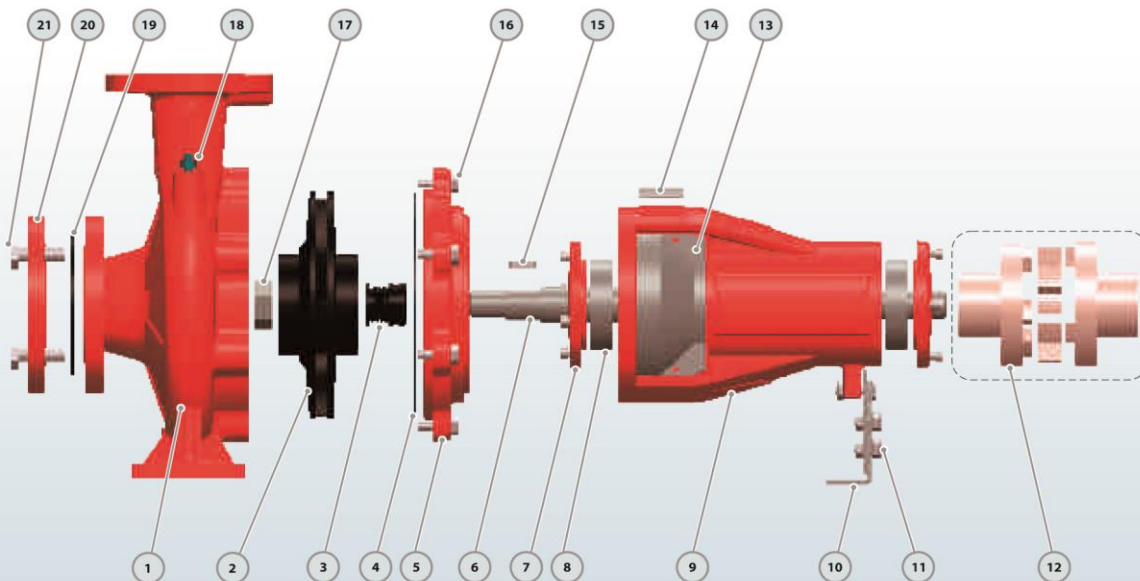
- ※Can be offered separately
- ※YE3 high efficient motor with protection IP55 class F
- ※Pump case with Anti-corrosive coating
- ※Easy Installation

USING LIMITS

- ※Liquid temperature between **-10°C** and **+120°C**
- ※Ambient temperature up to **+50°C**
- ※Max. working pressure **16 bar**
- ※Continuous service **S1**



MATERIAL DESCRIPTION



No.	Description	Material	No.	Description	Material	No.	Description	Material
1	Pump Case	Cast iron	8	Bearing	Ball Bearing	15	Impeller Key	Iron
2	Impeller	Brass /Cast iron	9	Support Case	Cast iron	16	Connection Bolt	Steel
3	Mechanical Seal	SiC/Carbon/SS304	10	Support Foot	Iron	17	Impeller Nut	Galvanized Steel
4	O-ring	Rubber	11	Foot Bolt	Steel	18	Release Valve	Brass
5	Connection	Cast iron	12	Coupling(Optional)	Steel	19	Gasket	Rubber
6	Shaft	SS304/45# Steel	13	Case Cover	SS304	20	Counter Flange	Galvanized Cast iron
7	Bearing Cover	Cast iron	14	Nameplate	Aluminum	21	Flange Bolt	Steel



TECHNICAL DATA

GPM	Bar	Pump for diesel 2900rpm	Pump for electric 3500rpm	Motor pump 3500rpm
80	7	PS32-250/75	PS32-200/75	PST32-200/75
100	7	PS32-250/75	PS32-200/75	PST32-200/75
120	7	PS32-250/75H	PS32-200/75H	PST32-200/75D
150	7	PS40-250/110	PS40-200/110	PST40-200/110
200	7	PS40-250/150	PS40-200/150	PST40-200/150
250	7	PS50-250/185	PS50-200/185	PST50-200/185
300	7	PS50-250/220	PS50-200/220	PST50-200/220
350	7	PS50-250/220	PS50-200/220	PST50-200/220
400	7	PS65-250/300	PS65-200/300	PST65-200/300
500	7	PS65-250/300	PS65-200/300	PST65-200/300
500	8	PS65-250/370	PS65-200/370	PST65-200/370
500	9	PS65-315/370	PS65-250/370	-
500	10	PS65-315/450	PS65-250/450	-
500	11	PS65-315/550	PS65-250/550	-
500	12	PS65-315/750	PS65-250/750	-
500	13	PS65-315/750	PS65-250/750	-
750	7	PS80-250/450	PS80-200/450	PST80-200/450
750	8	PS80-250/550	PS80-200/550	PST80-200/550
750	9	PS80-315/750	PS80-250/750	-
750	10	PS80-315/750	PS80-250/750	-
750	11	PS80-315/750	PS80-250/750	-
750	12	PS80-315/900	PS80-250/900	-
750	13	PS80-315/900	PS80-250/900	-
1000	7	PS100-250/550	PS100-200/550	PST100-200/550
1000	8	PS100-250/750	PS100-200/750	PST100-200/750
1000	9	PS100-315/750	PS100-250/750	-
1000	10	PS100-315/900	PS100-250/900	-
1000	11	PS100-315/900	PS100-250/900	-
1000	12	PS100-315/1100	PS100-250/1100	-
1000	13	PS100-315/1100	PS100-250/1100	-
1000	14	PSC80-370A1/1320	PSC80-370A1/1320	-
1000	15	PSC80-370A1/1320	PSC80-370A1/1320	-
1250	7	PS125-250/900	PS125-200/900	-
1250	8	PS125-250/1100	PS125-200/1100	-
1250	9	PS125-315/1100	PS125-250/1100	-
1250	10	PS125-315/1320	PS125-250/1320	-
1250	11	PS125-315/1320	PS125-250/1320	-
1250	12	PS125-315/1600	PS125-250/1600	-
1250	13	PS125-315/1600	PS125-250/1600	-

50 n=2900 1/min

GPM	Bar	Pump for diesel 2900rpm	Pump for electric 3500rpm	Motor pump 3500rpm
1250	14	PSC100-375A2/2000	PSC100-375A2/2000	-
1250	15	PSC100-375A2/2000	PSC100-375A2/2000	-
1250	17	PSC100-375B1/2500	PSC100-375B1/2500	-
1500	8	PS125-250/1100	PS125-200/1100	-
1500	9	PS125-315/1100	PS125-250/1100	-
1500	10	PS125-315/1320	PS125-250/1320	-
1500	11	PS125-315/1320	PS125-250/1320	-
1500	12	PS125-315/1600	PS125-250/1600	-
1500	13	PS125-315/1600	PS125-250/1600	-
1500	15	PSC100-375B1/2500	PSC100-375B1/2500	-
1500	18	PSC100-375A1/2500	PSC100-375A1/2500	-
2000	8	PS150-250/1600	PS150-200/1600	-
2000	10	PS150-315/2000	PS150-250/2000	-
2000	11	PSC125-290A1/2000	PSC125-290A1/2000	-
2000	12	PSC125-365A3/2500	PSC125-365A3/2500	-
2000	13	PS150-315/2500	PS150-250/2500	-
2000	15	PSC125-365A2/3150	PSC125-365A2/3150	-
2000	17	PSC125-365B1/3550	PSC125-365B1/3550	-
2500	8	PS150-250/1600	PS150-200/1600	-
2500	10	PS150-315/2000	PS150-250/2000	-
2500	12	PS150-315/2500	PS150-250/2500	-
2500	13	PSC150-460B2/3150	PSC150-460B2/3150	-
2500	15	PSC125-365A2/3550	PSC125-365A2/3550	-
2500	17	PSC125-365B1/3550	PSC125-365B1/3550	-
3000	10	PSC150-360A3/2500	PSC150-360A3/2500	-
3000	12	PSC150-360A2/3550	PSC150-360A2/3550	-
3000	13	PSC150-460B2/3550	PSC150-460B2/3550	-
3000	14	PSC150-360B1/4000	PSC150-360B1/4000	-
3000	16	PSC150-460B1/4500	PSC150-460B1/4500	-
4000	11	PSC200-420B3/4000	PSC200-420B3/4000	-
4000	14	PSC200-420B2/5000	PSC200-420B2/5000	-
4000	15	PSC150-360A1/5000	PSC150-360A1/5000	-
4000	17	PSC150-460A1/5600	PSC150-460A1/5600	-
5000	10	PSC200-320B2/4000	PSC200-320B2/4000	-
5000	11	PSC200-320B1/5000	PSC200-320B1/5000	-
5000	12	PSC200-320A1/5600	PSC200-320A1/5600	-
5000	14	PSC200-420A2/5600	PSC200-420A2/5600	-
5000	16	PSC200-420B1/7100	PSC200-420B1/7100	-
5000	17	PSC200-420A1/8000	PSC200-420A1/8000	-

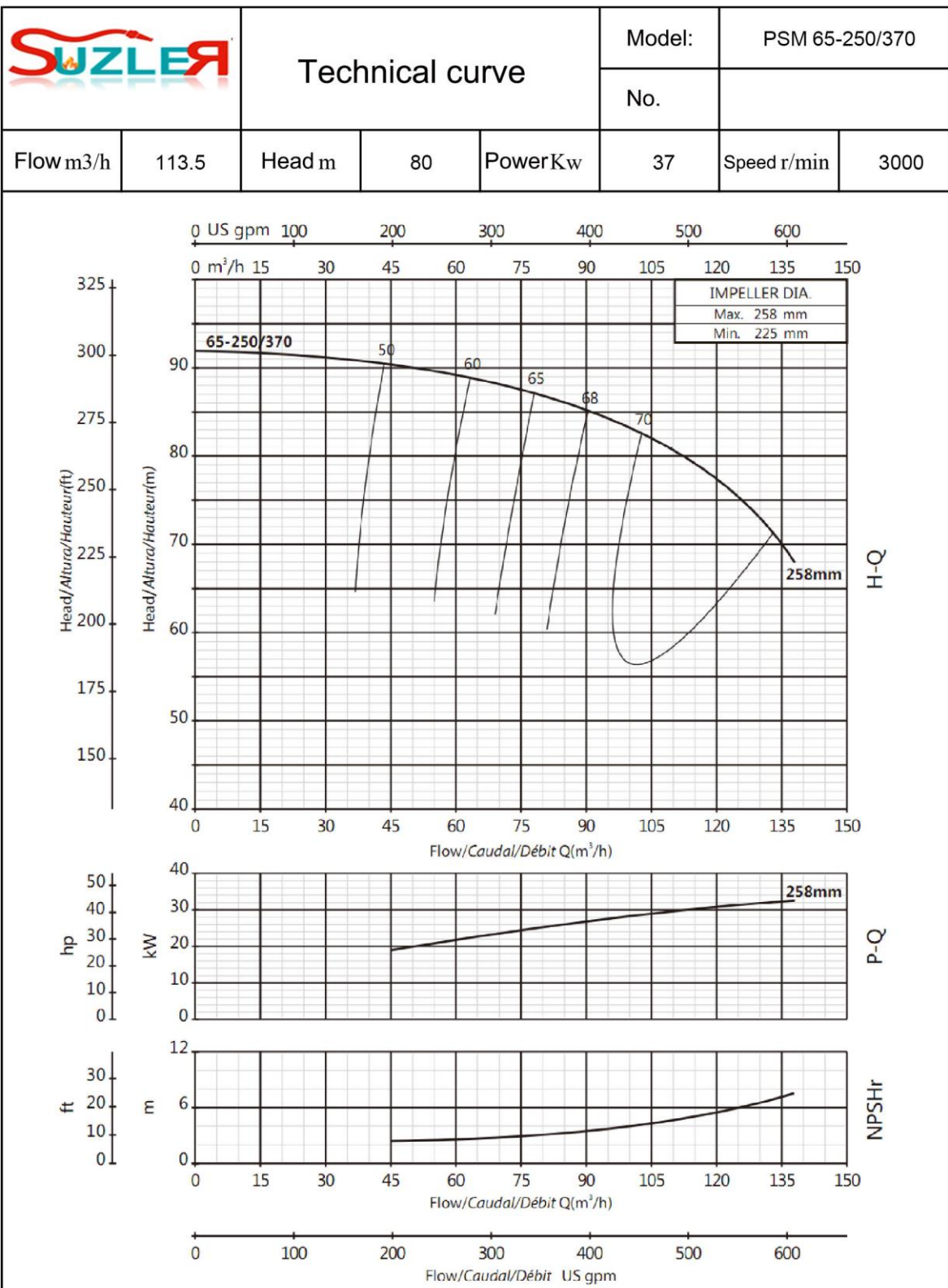
Other sizes can provide on request.



TECHNICAL DATA

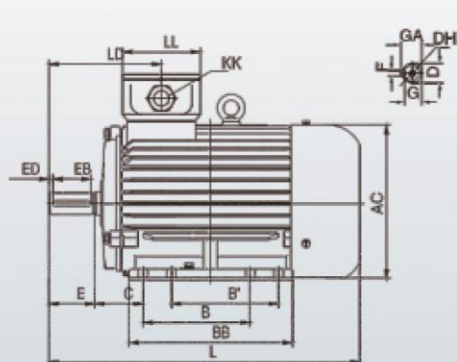
50 Hz n=2900 1/min

MODEL	Power		us gpm l/min m³/h	Q=DELIVERY																				DN
				0	26	40	66	79	106	119	159	185	211	238	317	370	396	476	529	608	793	925		
	0	100		150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	3000	3500				
	0	6		9	15	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210	mm			
32-125/07	0.75	1	H(m)	17.5	16.7	15	12	9														50x32		
32-125/11	1.1	1.5		22	21	19.7	16.5	14.5	9													50x32		
32-160/15	1.5	2		25.4	23.7	22.5	18.5	15.8														50x32		
32-160/22	2.2	3		31	29.6	28.5	24.5	22	15													50x32		
32-160/30	3	4		35	34.3	34	28	25.5	19	15												50x32		
32-200/30	3	4		44.2	43	39.8	35.2	32.2	24.6	19.8												50x32		
32-200/40	4	5.5		54.5	52	50	45.5	41.9	35	30.3												50x32		
32-250/55	5.5	7.5		60	59.5	59	55	51	34.5													50x32		
32-250/75	7.5	10		69.5	69	68.5	66	63	53													50x32		
32-250/110	11	15		90	89.5	89	82	79	66													50x32		
32-250/55D	5.5	7.5		79.5	74.7	71.8	63	56	37.5													50x32		
32-250/75D	7.5	10		95	93	91	83	76	57.8													50x32		
40-125/11	1.1	1.5		14.7				13.5	11.5	10.1	5.8											65x40		
40-125/15	1.5	2		18.1				17	15	13.9	9.6	6										65x40		
40-125/22	2.2	3		24.5				23.2	21.5	20.2	16	13	8.3									65x40		
40-160/30	3	4		31.8				29.5	27.5	26.3	21.5	17.5										65x40		
40-160/40	4	5.5		38				36	34	33	28.5	25	20.1									65x40		
40-200/55	5.5	7.5		46				43.8	41.3	40.1	35	30										65x40		
40-200/75	7.5	10		57				53.6	51.5	50	45	41	36.5									65x40		
40-250/92	9.2	12.5		64				59	56.5	55	49.5	45	39.8									65x40		
40-250/110	11	15		72				67.5	66	63.5	57.5	52.2	47									65x40		
40-250/150	15	20		84.5				80	77.3	75.2	71	65	61									65x40		
50-125/22	2.2	3		17							15.4	14	12.8	11.5	6.5							65x50		
50-125/30	3	4		20							18.8	18	17	15.6	11							65x50		
50-125/40	4	5.5		24							23.1	23	21.5	20.3	15.8	11.8						65x50		
50-160/55	5.5	7.5		32							30.6	30	28	26.6	20.5	14.8						65x50		
50-160/75	7.5	10		40							38	37	36	34.4	29	24	21					65x50		
50-200/92	9.2	12.5		50.5							46.8	45	43	40.9	32.5	26.7						65x50		
50-200/110	11	15		57.5							53.5	52	50	47.5	40	34	29					65x50		
50-200/150	15	20		62							58	56.5	54.5	52	44.5	39	35.5					65x50		
50-250/150	15	20		68.5							64	63	61.5	59	50	41						65x50		
50-250/185	18.5	25		79							75.8	74.8	74	71.5	63.5	55.5	47					65x50		
50-250/220	22	30		89.5							86	85.3	84	81.5	73.5	65.5	57					65x50		
65-125/40	4	5.5		19									17.3	16.8	14.5	13	11.8					80x65		
65-125/55	5.5	7.5		23									21.3	20.9	19	17.5	16.7	13.7				80x65		
65-125/75	7.5	10		27									26	25.6	24.5	23	22.5	20	18			80x65		
65-160/92	9.2	12.5		33										31.5	30	28	27.1	24	21.5			80x65		
65-160/110	11	15		36										34.5	33	31.5	30.8	28	25.5			80x65		
65-160/150	15	20		42										41	40	38.5	37.8	35	33	29.5		80x65		
65-200/150	15	20		45										45.5	43	41	40.2	36.5	34			80x65		
65-200/185	18.5	25	52										52.3	51	49	48.2	44.5	42			80x65			
65-200/220	22	30	59										59.5	58	56	55	52	49.5	44.5		80x65			
65-250/220	22	30	64.8										64.7	62	60	58.5	53	50			80x65			
65-250/300	30	40	80										79.8	77.5	75.5	74.5	70	66	58		80x65			
65-250/370	37	50	92										90.5	88.5	87	85	80.5	78	68		80x65			
65-315/370	37	50	102										99.2	97	95	94.5	92.4	90	83		80x65			
65-315/450	45	60	112										109.2	107.7	105.8	104.5	102.5	100	93	66	80x65			
65-315/550	55	75	122										119.2	117.4	115.7	114.5	112.5	110	103	76	80x65			
65-315/750	75	100	141										139.8	137.3	135.6	134.5	132.5	130	122	96	65.5	80x65		
80-125/40	4	5.5	17									16.5	15.9	14.3	13.5	11.6	10	7.5			100x80			
80-125/55	5.5	7.5	21										20.5	20	19	18	16.5	15	12.5	9.5		100x80		
80-125/75	7.5	10	26										25	25	24.5	23.8	22.5	21.5	19.5	16.5		100x80		

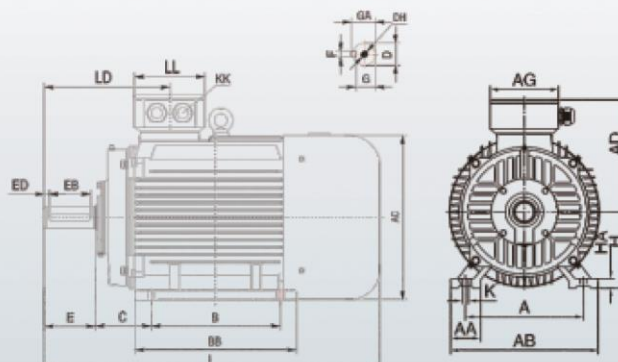




DIMENSIONS AND TECHNICAL DATA FOR ELECTRIC MOTOR



80-132



160-355

MODEL	DIMENSIONS mm																							
	A	AA	AB	AC	AD	AG	B	BB	C	D	DH	E	EB	ED	F	G	GA	H	HA	K	KK	L	LD	LL
80	125	34	160	167	147	102	100	150	50	19	M6X16	40	30	2.5	6	15.5	21.5	80	10	4-Φ10	1-M25X1.5	304	119	102
90S	140	36	176	182.4	154.5	102	100	161	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	1-M25X1.5	336	143	102
90L	140	36	176	182.4	154.5	102	125	186	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	1-M25X1.5	361	143	102
100L	160	40	200	205.4	166	102	140	213	63	28	M10X22	60	50	5	8	24	31	100	14	4-Φ12	1-M32X1.5	406	147	102
112M	190	50	240	230	188	118	140	188	70	28	M10X22	60	50	5	8	24	31	112	15	4-Φ12	2-M32X1.5	394	147	110
132S	216	55	265	258.4	203	118	140	186	89	38	M12X28	80	65	5	10	33	41	132	18	4-Φ12	2-M32X1.5	438	172	110
132M	216	55	265	258.4	203	118	178	224	89	38	M12X28	80	65	7.5	10	33	41	132	18	4-Φ12	2-M32X1.5	476	172	110
160M	254	65	314	314	251	162	210	260	108	42	M16X36	110	90	7.5	12	37	45	160	20	4-Φ14.5	2-M40X1.5	608	256	152
160L	254	65	314	314	251	162	254	304	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	2-M40X1.5	652	256	152
180M	279	70	349	355	267	162	241	311	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	2-M40X1.5	688	271	152
180L	279	70	349	355	267	162	279	349	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	2-M40X1.5	726	271	152
200L	318	70	388	397	299	210	305	369	133	55	M20X42	110	100	10	16	49	59	200	25	4-Φ18.5	2-M50X1.5	779	296	190
225S	356	75	431	446	322	210	286	368	149	60	M20X42	140	125	5	18	53	64	225	28	4-Φ18.5	2-M50X1.5	824	329	190
225M	356	75	431	446	322	210	311	393	149	55	M20X42	110	100	7.5	16	49	59	225	28	4-Φ18.5	2-M50X1.5	819	299	190
250M	406	80	484	485	358	248	349	445	168	60	M20X42	140	125	7.5	18	53	64	250	30	4-Φ24	2-M63X1.5	910	347	218
280S	457	85	542	547	387	248	368	485	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	2-M63X1.5	982	355.5	218
280M	457	85	542	547	387	248	419	536	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	2-M63X1.5	1033	355.5	218
315S	508	120	628	620	527	320	406	570	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	2-M63X1.5	1194	397	280
315M	508	120	628	620	527	320	457	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	2-M63X1.5	1304	397	280
315L	508	120	628	620	527	320	508	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	2-M63X1.5	1304	397	280
355M	610	116	726	698	642	380	560	750	254	75	M20X42	140	130	5	20	67.5	79.5	355	52	6-Φ28	2-M63X1.5	1486	414	330
355L	610	116	726	698	642	380	630	750	254	75	M20X42	140	130	5	20	67.5	79.5	355	52	6-Φ28	2-M63X1.5	1486	414	330

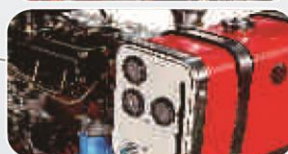
**50Hz**

MODEL	Power		rpm	$\eta\%$	$\eta\%$ at 75%	$\eta\%$ at 50%	$\cos\phi$	A			Nm	Tmax/Tn	Ts/Tn	Is/n	kg
	kw	hp						380V	400V	415V					
YE3-801-2	0.75	1	2880	80.7	80.7	79.1	0.82	1.72	1.64	1.58	2.49	2.3	2.3	7.0	18.1
YE3-802-2	1.1	1.5	2880	82.7	82.7	81.0	0.83	2.43	2.31	2.23	3.65	2.2	2.3	7.3	19.5
YE3-90S-2	1.5	2	2895	84.2	84.2	82.5	0.84	3.22	3.06	2.95	4.95	2.2	2.3	7.6	23.3
YE3-90L-2	2.2	3	2895	85.9	85.9	84.2	0.85	4.58	4.35	4.19	7.26	2.2	2.3	7.6	27.1
YE3-100L-2	3	4	2895	87.1	87.1	85.4	0.87	6.02	5.71	5.51	9.90	2.2	2.3	7.8	38.8
YE3-112M-2	4	5.5	2905	88.1	88.1	86.3	0.88	7.84	7.45	7.18	13.1	2.2	2.3	8.3	48.3
YE3-132S1-2	5.5	7.5	2930	89.2	89.2	87.4	0.88	10.6	10.1	9.75	17.9	2.0	2.3	8.3	55.1
YE3-132S-2	7.5	10	2930	90.1	90.1	88.3	0.88	14.4	13.7	13.2	24.4	2.0	2.3	7.9	69.2
YE3-160M1-2	11	15	2945	91.2	91.2	89.4	0.89	20.6	19.6	18.9	35.7	2.0	2.3	8.1	113
YE3-160M2-2	15	20	2945	91.9	91.9	90.1	0.89	27.9	26.5	25.5	48.6	2.0	2.3	8.1	123
YE3-160L-2	18.5	25	2940	92.4	92.4	90.6	0.89	34.2	32.5	31.3	60.1	2.0	2.3	8.2	142
YE3-180M-2	22	30	2955	92.7	92.7	90.8	0.89	40.5	38.5	37.1	71.1	2.0	2.3	8.2	182
YE3-200L1-2	30	40	2960	93.3	93.3	91.4	0.89	54.9	52.1	50.3	96.8	2.0	2.3	7.6	246
YE3-200L2-2	37	50	2960	93.7	93.7	91.8	0.89	67.4	64.0	61.7	119.4	2.0	2.3	7.6	265
YE3-225M-2	45	60	2965	94.0	94.0	92.1	0.90	80.8	76.8	74.0	144.9	2.0	2.3	7.7	323
YE3-250M-2	55	75	2970	94.3	94.3	92.4	0.90	98.5	93.5	90.2	176.9	2.0	2.3	7.7	413
YE3-280S-2	75	100	2975	94.7	94.7	92.8	0.90	134	127	122	240.8	1.8	2.3	7.1	546
YE3-280M-2	90	125	2975	95.0	95.0	93.1	0.90	160	152	146	288.9	1.8	2.3	7.1	569
YE3-315S-2	110	150	2978	95.2	95.2	93.3	0.90	195	185	179	352.8	1.8	2.3	7.1	897
YE3-315M-2	132	180	2978	95.4	95.4	93.5	0.90	234	222	214	423.3	1.8	2.3	7.1	1029
YE3-315L1-2	160	220	2980	95.6	95.6	93.7	0.91	279	265	256	512.8	1.8	2.3	7.2	1067
YE3-315L2-2	200	270	2980	95.8	95.8	93.9	0.91	349	331	319	640.9	1.8	2.2	7.2	1194
YE3-355M-2	250	340	2982	95.8	95.8	93.9	0.91	436	414	399	800.6	1.6	2.2	7.2	1685
YE3-355L-2	315	430	2982	95.8	95.8	93.9	0.91	549	522	503	1009	1.6	2.2	7.2	1734

60Hz

MODEL	Power		rpm	$\eta\%$	$\eta\%$ at 75%	$\eta\%$ at 50%	$\cos\phi$	A		Nm	Tmax/Tn	Ts/Tn	Is/n	kg
	kw	hp						220V	380V					
YE3-801-2	0.75	1	3500	80.7	80.7	79.1	0.82	3.6	1.83	2.49	2.3	2.3	7.0	18.1
YE3-802-2	1.1	1.5	3500	82.7	82.7	81.0	0.83	4.5	2.58	3.65	2.2	2.3	7.3	19.5
YE3-90S-2	1.5	2	3500	84.2	84.2	82.5	0.84	6.8	3.43	4.95	2.2	2.3	7.6	23.3
YE3-90L-2	2.2	3	3500	85.9	85.9	84.2	0.85	9.6	4.85	7.26	2.2	2.3	7.6	27.1
YE3-100L-2	3	4	3500	87.1	87.1	85.4	0.87	11.5	6.31	9.90	2.2	2.3	7.8	38.8
YE3-112M-2	4	5.5	3500	88.1	88.1	86.3	0.88	14.5	8.1	13.1	2.2	2.3	8.3	48.3
YE3-132S1-2	5.5	7.5	3500	89.2	89.2	87.4	0.88	22	11	17.9	2.0	2.3	8.3	55.1
YE3-132S-2	7.5	10	3500	90.1	90.1	88.3	0.88	28	14.9	24.4	2.0	2.3	7.9	69.2
YE3-160M1-2	11	15	3500	91.2	91.2	89.4	0.89	42	21.3	35.7	2.0	2.3	8.1	113
YE3-160M2-2	15	20	3500	91.9	91.9	90.1	0.89	54	28.8	48.6	2.0	2.3	8.1	123
YE3-160L-2	18.5	25	3500	92.4	92.4	90.6	0.89	68	34.7	60.1	2.0	2.3	8.2	142
YE3-180M-2	22	30	3500	92.7	92.7	90.8	0.89	80	41	71.1	2.0	2.3	8.2	182
YE3-200L1-2	30	40	3500	93.3	93.3	91.4	0.89	104	55.5	96.8	2.0	2.3	7.6	246
YE3-200L2-2	37	50	3500	93.7	93.7	91.8	0.89	130	67.9	119.4	2.0	2.3	7.6	265
YE3-225M-2	45	60	3500	94.0	94.0	92.1	0.90	150	82.3	144.9	2.0	2.3	7.7	323
YE3-250M-2	55	75	3500	94.3	94.3	92.4	0.90	192	101	176.9	2.0	2.3	7.7	413
YE3-280S-2	75	100	3500	94.7	94.7	92.8	0.90	245	134	240.8	1.8	2.3	7.1	546
YE3-280M-2	90	125	3500	95.0	95.0	93.1	0.90	312	160	288.9	1.8	2.3	7.1	569
YE3-315S-2	110	150	3500	95.2	95.2	93.3	0.90	400	195	352.8	1.8	2.3	7.1	897
YE3-315M-2	132	180	3500	95.4	95.4	93.5	0.90	425	233	423.3	1.8	2.3	7.1	1029
YE3-315L1-2	160	220	3500	95.6	95.6	93.7	0.91	600	279	512.8	1.8	2.3	7.2	1067
YE3-315L2-2	200	270	3500	95.8	95.8	93.9	0.91	630	349	640.9	1.8	2.2	7.2	1194
YE3-355M-2	250	340	3500	95.8	95.8	93.9	0.91	800	436	800.6	1.6	2.2	7.2	1685
YE3-355L-2	315	430	3500	95.8	95.8	93.9	0.91	990	549	1009	1.6	2.2	7.2	1734

PD Diesel Engine for Pumps



PSD Centrifugal Pump Coupled with Diesel Engine

TECHNICAL DESCRIPTION

- ※ More Environmentally Friendly
- ※ Meeting China III Emission Standard
- ※ Low Fuel Consumption
- ※ Strong Power
- ※ Easy To Assemble

APPLICATIONS

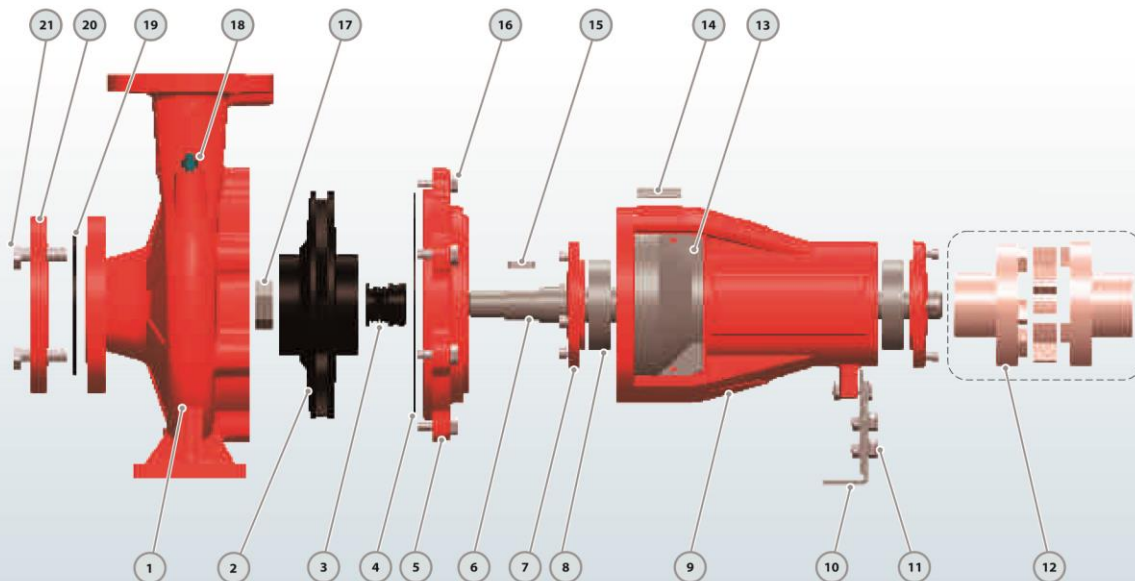
Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. The diesel engine pumps are recommended for use in water supply, cleaning sets, pressure boosting, firefighting sets, irrigation, industrial applications, water circulation in climatisation sets, agricultural.

USING LIMITS

Liquid temperature between **-10°C** and **+120°C**
 Ambient temperature up to **+50°C**
 Max. working pressure **16 bar**
 Continuous service **S1**



MATERIAL DESCRIPTION



No.	Description	Material	No.	Description	Material	No.	Description	Material
1	Pump Case	Cast iron	8	Bearing	Ball Bearing	15	Impeller Key	Iron
2	Impeller	Brass /Cast iron	9	Support Case	Cast iron	16	Connection Bolt	Steel
3	Mechanical Seal	SiC/Carbon/SS304	10	Support Foot	Iron	17	Impeller Nut	Galvanized Steel
4	O-ring	Rubber	11	Foot Bolt	Steel	18	Release Valve	Brass
5	Connection	Cast iron	12	Coupling(Optional)	Steel	19	Gasket	Rubber
6	Shaft	SS304/45# Steel	13	Case Cover	SS304	20	Counter Flange	Galvanized Cast iron
7	Bearing Cover	Cast iron	14	Nameplate	Aluminum	21	Flange Bolt	Steel



TECHNICAL DATA

GPM	Bar	Pump for diesel 2900rpm	Pump for electric 3500rpm	Motor pump 3500rpm
80	7	PS32-250/75	PS32-200/75	PST32-200/75
100	7	PS32-250/75	PS32-200/75	PST32-200/75
120	7	PS32-250/75H	PS32-200/75H	PST32-200/75D
150	7	PS40-250/110	PS40-200/110	PST40-200/110
200	7	PS40-250/150	PS40-200/150	PST40-200/150
250	7	PS50-250/185	PS50-200/185	PST50-200/185
300	7	PS50-250/220	PS50-200/220	PST50-200/220
350	7	PS50-250/220	PS50-200/220	PST50-200/220
400	7	PS65-250/300	PS65-200/300	PST65-200/300
500	7	PS65-250/300	PS65-200/300	PST65-200/300
500	8	PS65-250/370	PS65-200/370	PST65-200/370
500	9	PS65-315/370	PS65-250/370	-
500	10	PS65-315/450	PS65-250/450	-
500	11	PS65-315/550	PS65-250/550	-
500	12	PS65-315/750	PS65-250/750	-
500	13	PS65-315/750	PS65-250/750	-
750	7	PS80-250/450	PS80-200/450	PST80-200/450
750	8	PS80-250/550	PS80-200/550	PST80-200/550
750	9	PS80-315/750	PS80-250/750	-
750	10	PS80-315/750	PS80-250/750	-
750	11	PS80-315/750	PS80-250/750	-
750	12	PS80-315/900	PS80-250/900	-
750	13	PS80-315/900	PS80-250/900	-
1000	7	PS100-250/550	PS100-200/550	PST100-200/550
1000	8	PS100-250/750	PS100-200/750	PST100-200/750
1000	9	PS100-315/750	PS100-250/750	-
1000	10	PS100-315/900	PS100-250/900	-
1000	11	PS100-315/900	PS100-250/900	-
1000	12	PS100-315/1100	PS100-250/1100	-
1000	13	PS100-315/1100	PS100-250/1100	-
1000	14	PSC80-370A1/1320	PSC80-370A1/1320	-
1000	15	PSC80-370A1/1320	PSC80-370A1/1320	-
1250	7	PS125-250/900	PS125-200/900	-
1250	8	PS125-250/1100	PS125-200/1100	-
1250	9	PS125-315/1100	PS125-250/1100	-
1250	10	PS125-315/1320	PS125-250/1320	-
1250	11	PS125-315/1320	PS125-250/1320	-
1250	12	PS125-315/1600	PS125-250/1600	-
1250	13	PS125-315/1600	PS125-250/1600	-

50 n=2900 1/min

GPM	Bar	Pump for diesel 2900rpm	Pump for electric 3500rpm	Motor pump 3500rpm
1250	14	PSC100-375A2/2000	PSC100-375A2/2000	-
1250	15	PSC100-375A2/2000	PSC100-375A2/2000	-
1250	17	PSC100-375B1/2500	PSC100-375B1/2500	-
1500	8	PS125-250/1100	PS125-200/1100	-
1500	9	PS125-315/1100	PS125-250/1100	-
1500	10	PS125-315/1320	PS125-250/1320	-
1500	11	PS125-315/1320	PS125-250/1320	-
1500	12	PS125-315/1600	PS125-250/1600	-
1500	13	PS125-315/1600	PS125-250/1600	-
1500	15	PSC100-375B1/2500	PSC100-375B1/2500	-
1500	18	PSC100-375A1/2500	PSC100-375A1/2500	-
2000	8	PS150-250/1600	PS150-200/1600	-
2000	10	PS150-315/2000	PS150-250/2000	-
2000	11	PSC125-290A1/2000	PSC125-290A1/2000	-
2000	12	PSC125-365A3/2500	PSC125-365A3/2500	-
2000	13	PS150-315/2500	PS150-250/2500	-
2000	15	PSC125-365A2/3150	PSC125-365A2/3150	-
2000	17	PSC125-365B1/3550	PSC125-365B1/3550	-
2500	8	PS150-250/1600	PS150-200/1600	-
2500	10	PS150-315/2000	PS150-250/2000	-
2500	12	PS150-315/2500	PS150-250/2500	-
2500	13	PSC150-460B2/3150	PSC150-460B2/3150	-
2500	15	PSC125-365A2/3550	PSC125-365A2/3550	-
2500	17	PSC125-365B1/3550	PSC125-365B1/3550	-
3000	10	PSC150-360A3/2500	PSC150-360A3/2500	-
3000	12	PSC150-360A2/3550	PSC150-360A2/3550	-
3000	13	PSC150-460B2/3550	PSC150-460B2/3550	-
3000	14	PSC150-360B1/4000	PSC150-360B1/4000	-
3000	16	PSC150-460B1/4500	PSC150-460B1/4500	-
4000	11	PSC200-420B3/4000	PSC200-420B3/4000	-
4000	14	PSC200-420B2/5000	PSC200-420B2/5000	-
4000	15	PSC150-360A1/5000	PSC150-360A1/5000	-
4000	17	PSC150-460A1/5600	PSC150-460A1/5600	-
5000	10	PSC200-320B2/4000	PSC200-320B2/4000	-
5000	11	PSC200-320B1/5000	PSC200-320B1/5000	-
5000	12	PSC200-320A1/5600	PSC200-320A1/5600	-
5000	14	PSC200-420A2/5600	PSC200-420A2/5600	-
5000	16	PSC200-420B1/7100	PSC200-420B1/7100	-
5000	17	PSC200-420A1/8000	PSC200-420A1/8000	-

Other sizes can provide on request.



Technical curve

Model:

PSD 65-250/370

No.

Flow m³/h

113.5

Head m

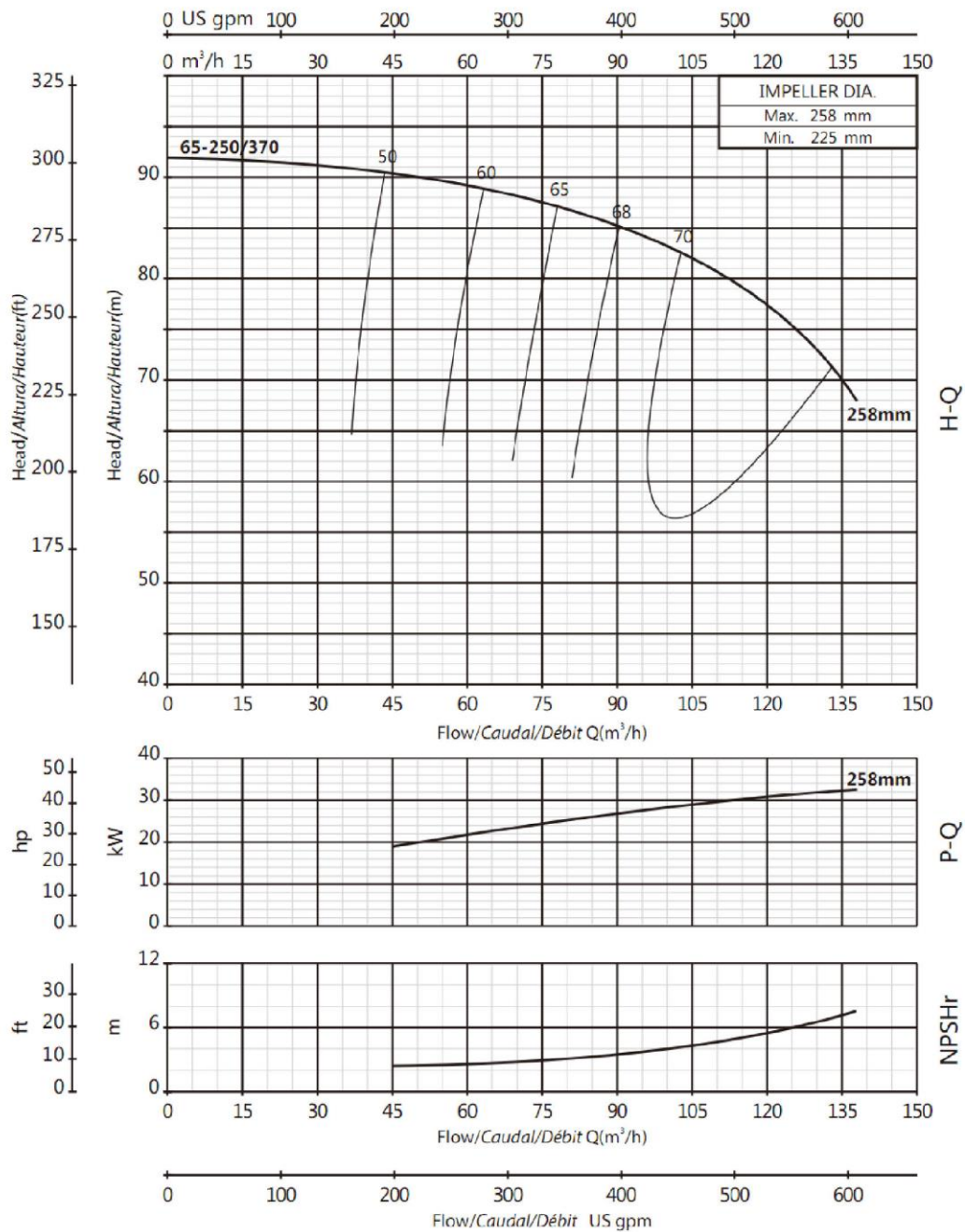
80

Power Kw

37

Speed r/min

3000





TECHNICAL DATAS

Model	178	186	188	192	380	385	480	485	490N	490	495
Type	Single-cylinder,4-stroke,air-cooled				Direct Injection, Water-cooling, Four Stroke						
Intake Type	Naturally Aspirated										
Bore*Stroke(mm*mm)	78*62	86*72	88*75	92*75	80*90	85*90	80*90	85*100	90*100	90*105	95*105
Cylinder No.	1	1	1	1	3	3	4	4	4	4	4
Displacement (L)	0.296	0.418	0.456	0.499	1.357	1.532	1.8	2.27	2.54	2.67	2.977
Rated Power/ Speed(kW/r/min)	3.7/3000 4.0/3600	5.7/3000 6.3/3600	6.6/3000 7.2/3600	7.5/3000 8.2/3600	20/3000	24/3000	28/3000	36/3000	42/3000	45/3000	50/3000
Horse Power	5.0/3000 5.5/3600	7.8/3000 8.6/3600	9.0/3000 10.0/3600	10.2/3000 12.0/3600	27	32	38	49	58	61	68
Power Coverage(kW)	≤11	≤11	≤11	≤11	≤37	≤37	≤37	≤55	≤55	≤55	≤75

Model	498	4102	4105	4108	485Z	490NZ	490Z	498Z	4102Z	4105Z	4108Z
Type	Direct Injection, Water-cooling, Four Stroke										
Intake Type	Naturally Aspirated				Turbo-charging						
Bore*Stroke(mm*mm)	98*105	102*118	105*118	108*118	85*100	90*100	90*105	98*105	102*118	105*118	108*118
Cylinder No.	4	4	4	4	4	4	4	4	4	4	4
Displacement (L)	3.168	3.857	4.087	4.324	2.27	2.54	2.67	3.168	3.857	4.087	4.324
Rated Power/ Speed(kW/r/min)	54/3000	62/3000	67/3000	73/3000	44/3000	50/3000	55/3000	60/3000	73/3000	75/3000	83/3000
Horse Power	73	85	91	99	60	68	75	81	99	102	113
Power Coverage(kW)	≤75	≤100	≤100	≤100	≤55	≤55	≤55	≤75	≤100	≤100	≤100



Clean



Home



Civil



Industry



PV Vertical Multistage Jockey Pump



TECHNICAL DESCRIPTION

- ※ New vertical multistage centrifugal pump
- ※ Both square motor & round motor available
- ※ YE3 high efficient motor, with protection IP55 class F
- ※ Pump case with anti-corrosive coating
- ※ Impeller in techno-polimer
- ※ Shaft in stainless steel AISI 304 or galvanized iron
- ※ Suction and discharge port in cast iron G20 thread

APPLICATIONS

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The high efficiency and adaptability of these pumps to even the most unusual of applications, makes them ideal for use in the domestic, civil and industrial sectors; in particular for the distribution of water in combination with pressure sets and for pressure boosting.

USING LIMITS

Liquid temperature between **-10°C** and **+120°C**

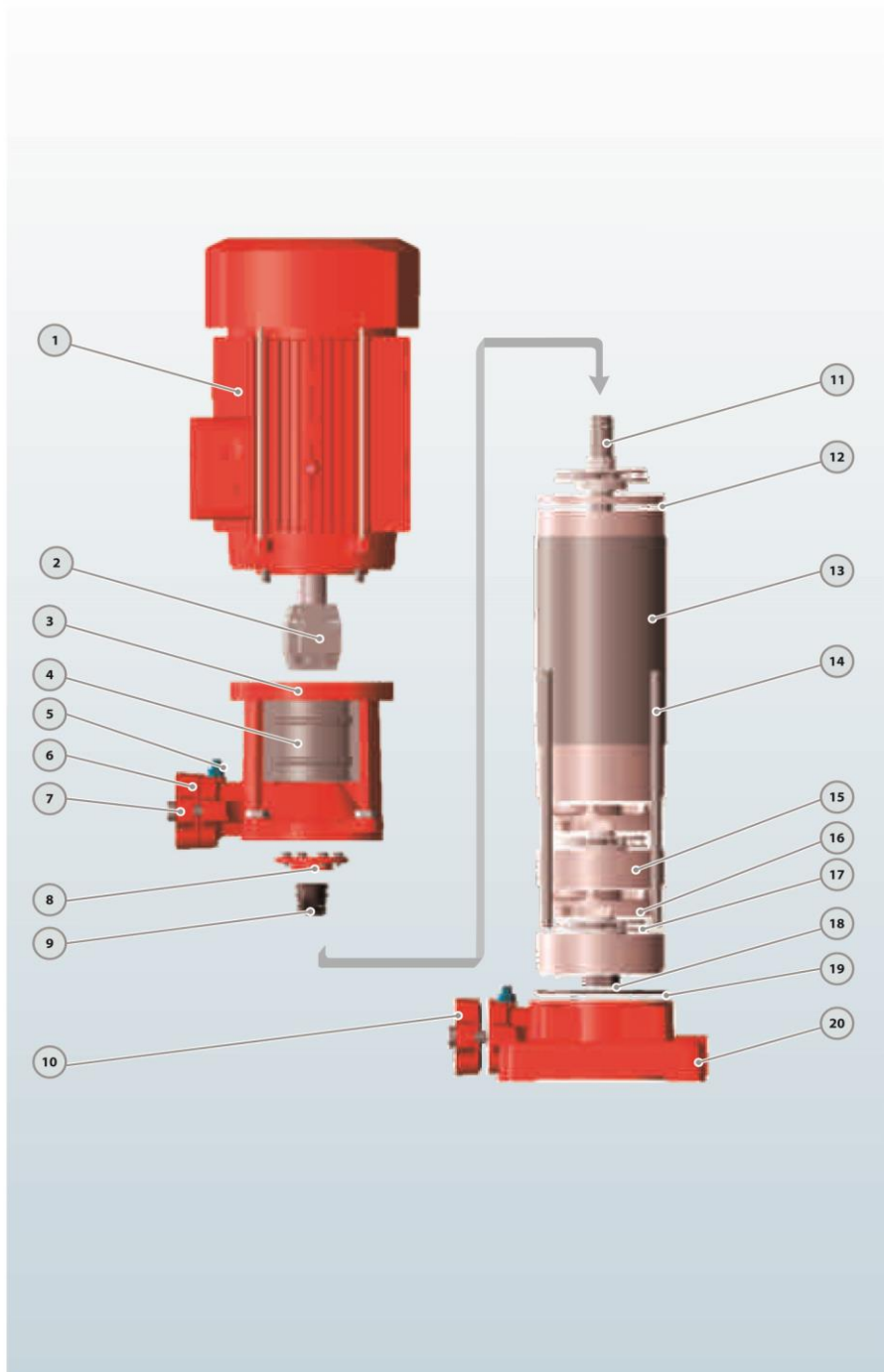
Ambient temperature up to **+50°C**

Max. working pressure **25 bar**

Continuous service **S1**



MATERIAL DESCRIPTION



No.	Description <i>Descripción</i>	Material <i>Material</i>
1	Motor	IP55 Class F
2	Coupling	Iron
3	Discharge Body	Cast iron
4	Cover	SS304
5	Release Valve	Brass
6	Discharge	Cast iron
7	Bolt	Steel
8	Seal Cover	Cast iron
9	Mechanical Seal	SiC/Carbon/SS304
10	Suction	Cast iron
11	Pump Shaft	SS304/45# Iron
12	Diffuser Top Cover	Technopolimer
13	Pump Cover	SS304
14	Through Bolt	Steel
15	Diffuser Cover	Technopolimer with SS304 ring
16	Diffuser	Technopolimer with SS304 ring
17	Impeller	Technopolimer
18	Impeller Nut	Galvanized Steel
19	O-ring	Rubber
20	Suction Body	Cast iron

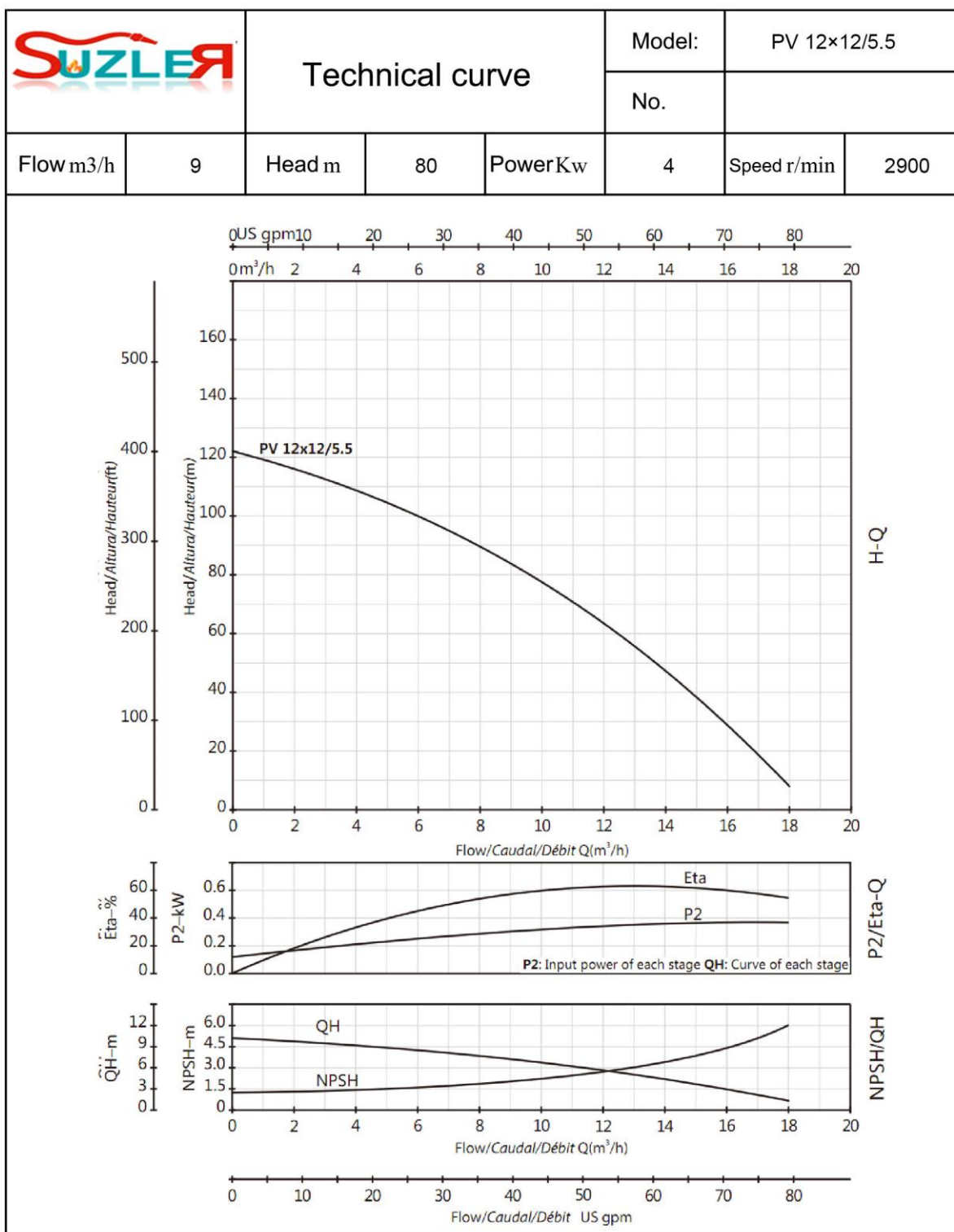


TECHNICAL DATA

50 Hz n=2900 1/min

MODEL	Power		us gpm l/min m³/h	Q=DELIVERY																				DN
				0	5	11	13	16	19	21	24	26	29	32	37	42	48	53	58	63	69	74	79	
				0	20	40	50	60	70	80	90	100	110	120	140	160	180	200	220	240	260	280	300	
	kw	hp		0	1.2	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	mm
PV 4×7/1.5	1.1	1.5	H(m)	60.7	56.8	52.1	49	45.9	42.8	38.9	35	30.3	25.7	20.2										25x25
PV 4×9/2	1.5	2		78	73	67	63	59	55	50	45	39	33	26										25x25
PV 4×13/3	2.2	3		113	105	96.8	91	85.2	79.4	72.2	65	56.3	47.7	37.5										25x25
PV 4×16/4	3	4		139	130	119	112	105	97.8	88.9	80	69.3	58.7	46.2										25x25
PV 6×5/1.5	1.1	1.5		44.4				135.5	33.3	30.9	28.4	26.1	23.4	20.2	14.3	6.8								32x32
PV 6×8/2	1.5	2		71.1				56.7	53.2	49.5	45.5	41.8	37.5	32.4	22.9	10.9								32x32
PV 6×11/3	2.2	3		97.7				78	73.2	68	62.5	57.5	51.5	44.5	31.5	15								32x32
PV 6×15/4	3	4		133				106	99.8	92.7	85.2	78.4	70.2	60.7	43	20.5								32x32
PV 8×4/1.5	1.1	1.5		36.8						30	28.4	27.2	26	24.4	21.2	17.6	13.2	9.2	4.8					40x40
PV 8×7/2	1.5	2		64.4						52.5	49.7	47.6	45.5	42.7	37.1	30.8	23.1	16.1	8.4					40x40
PV 8×9/3	2.2	3		82.8						67.5	63.9	61.2	58.5	54.9	47.7	39.6	29.7	20.7	10.8					40x40
PV 8×12/4	3	4		110						90	85.2	81.6	78	73.2	63.6	52.8	39.6	27.6	14.4					40x40
PV 8×16/5.5	4	5.5		147						120	114	109	104	97.6	84.8	70.4	52.8	36.8	19.2					40x40
PV 12×3/1.5	1.1	1.5		31								25.4	24.7	24	22.4	20.6	18.4	16.2	13.3	10.9	8.3	5.1	2	50x50
PV 12×5/2	1.5	2		51.7								42.4	41.2	40	37.3	34.3	30.7	27	22.2	18.2	13.8	8.5	3.3	50x50
PV 12×7/3	2.2	3		72.3								59.3	57.6	56	52.3	48.1	43	37.8	31	25.5	19.4	11.9	4.7	50x50
PV 12×9/4	3	4		93								76.2	74.1	72	67.2	61.8	55.2	48.6	39.9	32.8	24.9	15.4	6	50x50
PV 12×12/5.5	4	5.5		122								102	98.8	96	89.6	82.4	73.6	64.8	53.2	43.8	33.2	20.5	8	50x50
PV 12×17/7.5	5.5	7.5		176								144	140	136	127	117	104	91.8	75.4	62	47	29	11.3	50x50

MODEL	Power		us gpm	Q=DELIVERY									DN
				0	26	53	79	106	132	159	185	211	
			l/min	0	100	200	300	400	500	600	700	800	
	kw	hp	m³/h	0	6	12	18	24	30	36	42	48	mm
PV 30×7/10	7.5	10	H(m)	104	100	93	83	74	64	49	31	4	50x50 65x65
PV 30×9/12	9.2	12.5		133	128	119	108	96	82	63	40	5	
PV 30×11/15	11	15		163	156	145	132	116	99	77	48	6	





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